| Ref<br># | Hits | Search Query                                                                                              | DBs                                         | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|---------|------------------|
| L1       | 0    | staszewski-robert-b.in. and ((down adj2 convert\$3) same (second adj2 communication adj2 signal\$1))      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:58 |
| L2       | 0    | leipold-dirk.in. and ((down adj2 convert\$3) same (second adj2 communication adj2 signal\$1))             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:57 |
| L3       | 0    | texas adj2 instruments\$.as. and ((down adj2 convert\$3) same (second adj2 communication adj2 signal\$1)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:57 |
| L4       | 0    | 375/316.ccls. and ((down adj2 convert\$3) same (pulse adj2 driv\$3 adj2 mixer\$1))                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:58 |
| L5       | 0    | 375/316.ccls. and ((down adj2 convert\$3) and (pulse adj2 driv\$3 adj2 mixer\$1))                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:58 |
| L6       | 0    | staszewski-robert-b.in. and ((down adj2 convert\$3) and (second adj2 communication adj2 signal\$1))       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:58 |
| L7       | 8    | (pulse adj2 driv\$3 adj2 mixer\$1)                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:59 |
| L8       | 3    | 7 and @ad<"20000410"                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 08:59 |
| L9       | 4    | (digital adj2 pulse adj2 driv\$3 adj2 mixer\$1)                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 09:00 |
| L10      | 0    | 9 and @ad<"20000410"                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 09:01 |
| L11      | 4    | (down adj2 convert\$3) near ((first adj2 signal) near (first adj2 frequency))                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 09:04 |
| L12      | 3    | 11 and @ad<"20000410"                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/05/03 09:15 |

|     |      | ·                                                                                     |                                             |    |     |                  |
|-----|------|---------------------------------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
| L13 | 1    | 12 and (oscillator near frequency)                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:05 |
| L14 | 18   | (down adj2 convert\$3) same<br>((first adj2 signal) near (first adj2<br>frequency))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:04 |
| L15 | 0    | 14 and (oscillator with (third adj2 frequency))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:05 |
| L16 | 0    | 14 and (oscillator near (third adj2 frequency))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:05 |
| L17 | 16   | 14 and (oscillator with (frequency))                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:05 |
| L18 | 12   | 17 and @ad<"20000410"                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:09 |
| L19 | 0    | downconvert\$3 adj2 rf adj2 if                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:10 |
| L20 | 0    | downconvert\$3 adj2 radio adj2<br>frequency adj2 intermediate adj2<br>frequency       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:10 |
| L21 | 0    | downadj2 convert\$3 adj2 radio<br>adj2 frequency adj2 intermediate<br>adj2 frequency  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:10 |
| L22 | 0    | down adj2 convert\$3 adj2 radio<br>adj2 frequency adj2 intermediate<br>adj2 frequency | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:11 |
| L23 | 1761 | ((down adj2 convert\$3) with mixer) and (oscillator with frequency)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:12 |
| L24 | 140  | 23 and ((second adj2 signal) with (second adj2 frequency))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:13 |

| L25 | 15   | 24 and (sampl\$3 with (first adj2 signal))                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:13 |
|-----|------|---------------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
| L26 | 0    | 25 and (first adj2 phase) and (first adj2 cycle)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:15 |
| L27 | 1    | 25 and (sampl\$3 near (phase and cycle))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:15 |
| L28 | 14   | 25 and @ad<"20000410"                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:46 |
| L29 | 0    | "6438366.pn",                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:19 |
| L30 | 0    | "6438366.pn""."                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:19 |
| L31 | 2    | "6438366".pn.                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:24 |
| L32 | 7    | (down adj2 convert\$3) same (local<br>adj2 oscillator adj2 leakage) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:35 |
| L33 | 0    | 31 and ((phase with cycle) near sampl\$3)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:36 |
| L34 | 1    | 31 and (sampl\$3 with (phase and cycle))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:38 |
| L35 | 0    | 31 and (sampl\$3 with (phase with cycle))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:58 |
| L36 | 2154 | combin\$3 near (second adj2 signal)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:58 |

| L37 | 0     | 31 and (combin\$3 near (second adj2 signal))                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 09:58 |
|-----|-------|-----------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
| L38 | 0     | 31 and (combin\$3 with (second adj2 signal))                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:45 |
| L39 | 9     | 455/334.ccls. and (different adj2 phase\$1)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:53 |
| L40 | 4     | 39 and (down adj2 convert\$3)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:49 |
| L41 | 2     | 40 and @ad<"20000410"                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:53 |
| L42 | 2     | 41 and switch\$3                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:47 |
| L43 | 113   | (down adj2 convert\$3) same<br>(sampl\$3 adj2 circuit\$1)       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:53 |
| L44 | 6     | 43 and (sampl\$3 adj2 switch\$3)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:54 |
| L45 | 15356 | "46" and (different adj2 phase\$1)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:50 |
| L46 | 0     | 44 and (different adj2 phase\$1)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:55 |
| L47 | 65    | 375/316.ccls. and (different adj2 phase\$1)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:53 |
| L48 | 2     | 47 and ((down adj2 convert\$3) same (sampl\$3 adj2 circuit\$1)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:53 |

| L49 | 1        | 48 and @ad<"20000410"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:55 |
|-----|----------|---------------------------------------------|---------------------------------------------|----|-----|------------------|
| L50 | 0        | 49 and (sampl\$3 adj2 switch\$3)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:54 |
| L51 | 0        | 455/234.ccls. and (sampl\$3 adj2 switch\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:55 |
| L52 | 13       | 375/345.ccls. and (sampl\$3 adj2 switch\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:55 |
| L53 | 1        | 52 and (different adj2 phase\$1)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:55 |
| L54 | 19049949 | 53and @ad<"20000410"                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:56 |
| L55 | 0        | 53 and @ad<"20000410"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/03 10:56 |